

What is claimed is:

1. A light emitting device for use in a vehicle wheel, comprising:  
a support plate having assembly grooves formed on the outer peripheral surface thereof  
so as to be mounted to fastening means through which a wheel is attached to an axle;  
a body coupled to the support plate, and having a circuit board connected to a coil of a  
5 coil assembly and a light-emitting element mounted on the circuit board, the body having  
openings formed on the outer peripheral surface thereof in such a manner as to correspond to  
assembly grooves of the support plate for the assembly of the body with the axle; and  
a cover unit mounted to the outer side of the body by means of a shaft and having a  
permanent magnet assembly built therein,  
10 whereby when the wheel is rotated, the cover unit is not rotated.
2. The light emitting device as claimed in claim 1, wherein the assembly grooves  
are of a U shape.
3. The light emitting device as claimed in claim 1, wherein the support plate and  
the body are coupled to the fastening means of the axle by means of fastening nuts and fastening  
bolts through assembly grooves of the support plate with the support plate and the body tightly  
sealed.
4. The light emitting device as claimed in claim 1, wherein the light-emitting  
element is contained in a transparent cover element formed on the body.
5. The light emitting device as claimed in claim 1, wherein the coil assembly is  
inserted into a hollow protrusion that is protruded from the central portion of the body for a  
stable fixture to the body.
6. The light emitting device as claimed in claim 1, wherein the shaft is inserted into  
shaft grooves of the support plate and the body after passing through a shaft groove of the cover  
unit, and a snap ring is coupled to a stopping rim formed at the front end of the shaft, so that  
when the support plate and the body rotate along with the wheel, the cover unit is not rotated.
7. The light emitting device as claimed in claim 1, wherein an eccentric weight is  
installed at an inner bottom of the cover unit so that the weight center due to the eccentric weight  
is placed downwardly, thereby preventing the cover unit from rotating.

8. The light emitting device as claimed in claim 1, wherein a cap is coupled to the outer side of the cover unit into which the shaft is inserted, so that the shaft coupled to the cover unit is concealed by the cap, but not exposed to the outside.

9. The light emitting device as claimed in claim 4, wherein the transparent cover element has a concave-convex surface for scattering light.

10. The light emitting device as claimed in claim 6, wherein bearings are inserted into the shaft holes of the support plate and the body, respectively, and by means of the bearings, the support plate and the body are easily rotated along with the wheel but the cover unit does not rotate.

11. The light emitting device as claimed in claim 6, wherein an additional shaft cap is attached to the shaft.

12. The light emitting device as claimed in claim 5, wherein the coil assembly is inserted into the hollow protrusion of the body, and a protrusion portion is formed at the central portion of the cover unit for inserting the magnet assembly thereto, and at the same time, such that the hollow protrusion is inserted to the inner side of the central protrusion portion to couple the cover unit to the body.

13. The light emitting device as claimed in claim 12, wherein anti-rotation blades are formed the outer surface of the cover unit in such a manner as to extend radially outwardly from the outer periphery of the central protrusion portion, for preventing the rotation of the cover unit in the driving direction of the wheel through the resistance of the air.